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ABSTRACT

The intent of the Nevada project was to assess, redevelop, and rewrite basic elementary reading and mathematics curriculum materials. The reading and mathematics curriculum project was to be prepared for use with adults in basic education programs functioning under the Individually Prescribed Instructional (IPI) system. Over 8,000 skill page products were developed and organized into sets or units that focus on a stated skill objective. The skill page set is organized to provide resources, develop understanding, and provide practice or application. A typical set includes review pages, student activity and practice pages, teacher pages, a summary practice page, skill tests, and supplementary resources. Active learner participation and the implementation of individualized instruction were viewed as favorable outcomes of the revision, but recommendations were made for further changes prior to field testing the materials. Skill page samples typical of the mathematics and reading materials developed in the project are displayed in the appendix. (MW)

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(FINAL PROJECT REPORT)

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APPLICATION OF THE INDIVIDUALLY PRESCRIBED INSTRUCTIONAL SYSTEM TO ADULT BASIC EDUCATIONAL PROGRAMS IN NEVADA

ED101169

NEVADA STATE DEPARTMENT OF EDUCATION

Burnell Larson
Superintendent of Public Instruction

John W. Bunten
Director, Vocational-Technical & Adult Education Branch

Lyle L. Leland
Supervisor

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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JUNE 1, 1969 — JUNE 30, 1970

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FINAL REPORT ABSTRACT

P U R P O S E

The intent of the project titled: "Application of the Individually Prescribed Instructional System to Adult Basic Educational Programs in Nevada" was to assess, redevelop, and rewrite basic elementary reading and mathematics curriculum materials. This reading and mathematics curriculum product was to be prepared for use with adults in basic education programs functioning under the Individually Prescribed Instructional (IPI) system.

Another aim was to plan for statewide and a nationally representative assessment, redevelopment, and field testing of the curriculum product developed as a result of this project. Incorporated with these plans is the demonstration of the IPI Program to illustrate its effectiveness with adult students. The plan also was to include program and product dissemination with the intent of providing nationwide availability.

P R O C E D U R E

Project organization involved federal, state, and county administrative units. These three levels of administration include the U.S. Division of Adult Education Programs, Nevada Vocational-Technical and Education Department respectively.

A consultant service contract for planning nationwide field testing, of the product, IPI resource, and IPI technical advice was secured with Research for Better Schools, Incorporated, a combined private non-profit corporation and regional educational laboratory located in Philadelphia, Pennsylvania.

The project staff was composed of a supervisor provided by the state and a project director, project manager, curriculum writers (full and part-time), graphic arts specialists (part-time), and a clerical staff (full and part-time) provided by the county.

Project tasks were related to producing a curriculum material product for basic reading and mathematics. A curriculum materials development cycle was used that included: materials and information review and selection; writing and illustrating with consultation; proofing; duplicating, collation, and storage; distribution and limited field testing; and reporting and evaluation.

Materials design was intended to humanize and individualize both content and application. Development procedure was to consider the adult needs and goals that rise from his life roles. This required that the curriculum product be adaptive to the wide range of needs and experiences of adult students. The product also had to function in the IPI instructional management system.

RESULTS AND CONCLUSION

Application of the procedure resulted in preparation of over eight thousand skill page products that develop over seven hundred instructional objectives specifically stated in performance terms.

The skill page characteristics include: vocabulary and illustrations with adult appeal; for mathematics an identification of performance and concept oriented skills; specific hardware requirements be kept to a minimum for instructional objective accomplishment; and keeping the learner actively participating by responding, being in encounters with resources that are preparing him for performance mastery of the instructional objective, or demonstrating his instructional objective mastery.

The product is ready for representative field test to empirically evaluate the rationale for which it was developed; provide direction for refinements of such things as the product context, format, and sequence; and establish priorities for the recommendations made by the project staff for curriculum development.

FINAL REPORT

PROJECT PURPOSE

GENERAL OBJECTIVES:

The "Application of the Individually Prescribed Instructional System to Adult Basic Educational Programs in Nevada" project was conceived with the following four general objectives in mind.

1. Develop an individually prescribed instructional (IPI) system of programs on an adult level.

Adult basic education programs are primarily involved with improvement of communications skills, computational skills and consumer practices. It is desired that programs provide learning opportunities that enable adults to become more effective members of a family unit and the community. Adult education aspire that programs develop student confidence in his ability to learn and be desirous of remaining involved in a process of education. It is intended that adult programs assist the student become a better employee and to prepare him to be a better user of his leisure time. Securing maximum development in minimum time is a required characteristic of an adult program. A requirement for flexible classroom time and space will allow a student to enter the program at any time and function within a realistically variable attendance schedule. An individually prescribed instructional system provides for these adult program criteria.

2. Field testing the IPI materials for adults.

It is important that program materials prepared for the adult student undergo test to determine revisions necessary to make it compatible with the needs of the student. Effective program materials are an outcome of field test procedures.

3. Demonstration of the IPI adult programs.

Materials for adult programs are demonstrated to illustrate their effectiveness with adult students. Educators observation of program application will reult in moving decisions regarding applicability for their particular educational program needs and thereby establish requirements for program dissemination.

4. Dissemination of IPI adult programs.

Affecting change through education is the desired terminal activity. To obtain this preferred outcome will necessitate making the programs available to adults. Nationwide program availability is an important objective since it will provide exposure for the greatest number of adults.

SPECIFIC OBJECTIVES.

1. Assessment of current materials and programs.

Knowledge about the condition of what exists provides a valuable resource for development and redevelopment of program materials and their application. Of particular interest are the contemporary adult programs and program materials. To build upon what exists rather than begin from the beginning is desirable.

2. Redevelopment and rewriting of the IPI elementary reading and mathematics program materials for adults.

Basic reading and mathematic materials had been organized for the IPI system for use with elementary age students. The task of redeveloping and rewriting this elementary material to make it more adaptable, relevant, and appealing to the adult was the major effort of this project.

3. Planning for a representative state and national field test.

The variety of programs that exist in adult education makes it desireable that the program material be able to function in various settings and be able to meet the requirements of different adult education centers. Preparation for refinement of the curriculum product, developed by the project, is an important next step. Feedback from a nationwide representation of adult education centers will provide the empirical data for refinement of program materials and its application.

P R O C E D U R E S

PROGRAM DESIGN:

In a design for adult educational programs it becomes important to consider the goals that emanate from the needs of the adult. The needs are derived from the adult's life roles. Figure 1 shows the foundation level role that sustains the need that in turn establishes the goal.

ADULT LIFE ROLES, NEEDS, AND GOALS

Role:	Need:	Goal:
Person	To know (to identify)	Self realization
Member of a family	To relate (to be heard)	Human relationship
A Worker	To work (to be productive)	Economic efficiency
A citizen	To contribute (tc influence mans' destiny)	Civic responsibility

Figure 1

The program developers aim was to humanize and individualize both the program content and application. This requires a developmental procedure that included a consideration of the needs for each adult learner and allow for the establishment of his particular educational goals.

Each adult education center could use an instructional and management system that would accept and diagnose the specific information derived from the incoming student.

Adult center educational programs require a great deal of flexibility to adapt to the wide range of experiences and learning characteristics found among the adult students. The Individually Prescribed Instruction (IPI) management and instructional system does provide for this sought for flexibility.

The basic characteristics of the IPI system are:

1. A continuum of skills specifically identified by performance objectives.

2. A system of criterion referenced tests that provide continuous appraisal of the learner by determining his present competence, monitoring and recording his progress, and checking his mastery.

3. A set of sequenced basic instructional materials designed around the precise performance objectives that form the skills continuum.

4. A prescription technology that is designed to meet the individual learner's requirement for both the development of concepts and the practice for mastery of skills. In prescribing, an instructor applies the optimum mode of instruction for that particular student.

5. Feedback from the system is used to control, more effectively apply, and establish requirements for improvement of the instructional procedure and curriculum materials.

The prescription technology is the unique characteristic of IPI. It is unique in that it follows up the diagnosis of student needs by prescribing a completely individualized sequence of learning experiences which places the student on the way to his goal by beginning with his lowest level unmastered skill requirement and takes him only through those skills and concepts essential but nonmastered to accomplish his particular goal.

In Figure 2 a student activity flow model illustrates the functional framework for prescribing program materials and instructional settings.

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STUDENT ACTIVITY FLOW MODEL FOR THE IPI SYSTEM

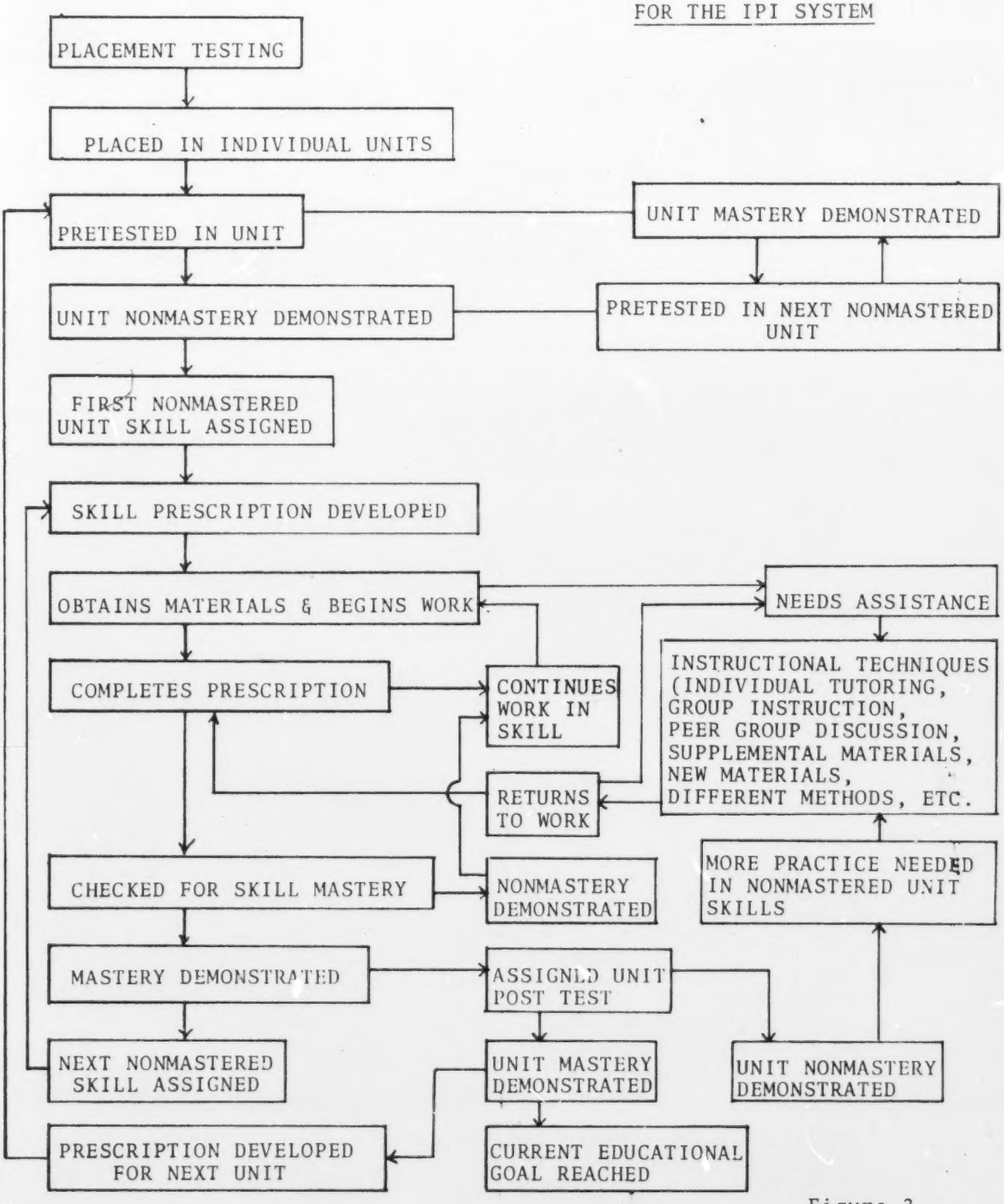
PLACEMENT TESTING
PLACED IN INDIVIDUAL UNITS
PRETESTED IN UNIT
UNIT MASTERY DEMONSTRATED
UNIT NONMASTERY DEMONSTRATED
PRETESTED IN NEXT NONMASTERED UNIT
FIRST NONMASTERED UNIT SKILL ASSIGNED
SKILL PRESCRIPTION DEVELOPED
OBTAINS MATERIALS & BEGINS WORK
NEEDS ASSISTANCE
COMPLETES PRESCRIPTION
CONTINUES WORK IN SKILL
INSTRUCTIONAL TECHNIQUES (INDIVIDUAL TUTORING, GROUP INSTRUCTION, PEER GROUP DISCUSSION, SUPPLEMENTAL MATERIALS, NEW MATERIALS, DIFFERENT METHODS, ETC.
RETURNS TO WORK
CHECKED FOR SKILL MASTERY
NONMASTERY DEMONSTRATED
MORE PRACTICE NEEDED IN NONMASTERED UNIT SKILLS
MASTERY DEMONSTRATED
ASSIGNED UNIT POST TEST
NEXT NONMASTERED SKILL ASSIGNED
UNIT MASTERY DEMONSTRATED
UNIT NONMASTERY DEMONSTRATED
PRESCRIPTION DEVELOPED FOR NEXT UNIT
CURRENT EDUCATIONAL GOAL REACHED

Figure 2

The student is placed in the program units through placement test diagnosis. Specific skill assignments within a unit are determined by unit pretest performance. Individual skill prescriptions depend upon the learning characteristics of the student and the degrees of success or difficulty encountered during his learning experiences. When the student response to prescribed learning settings indicates mastery a skill test is administered to determine mastery. Upon mastery of the last assigned unit skill a unit post test is accomplished by the student to verify mastery of the unit skills. After unit post test mastery is demonstrated the student activity flow model shows the student recycles the system involved with the next nonmastered unit. The cycle will be repeated by the student until his current educational goal in that particular program is achieved.

OPERATIONAL CHARACTERISTICS OF THE PROJECT:

The project administrative organization is illustrated in Figure 3. Shown are the involved federal, state, and county administrative units. Also depicted is the consultative role of Research for Better Schools, a combination private non-profit corporation and regional educational laboratory.

Organization of Project Tasks:

Management procedures for the separate tasks related to the time and effort spent in material development are presented in Figure 4 in the form of a curriculum materials development cycle.

Staff Positions and Functions:

Involved at the project operational level are the following key personnel: a project director, a project manager, a full-time clerical

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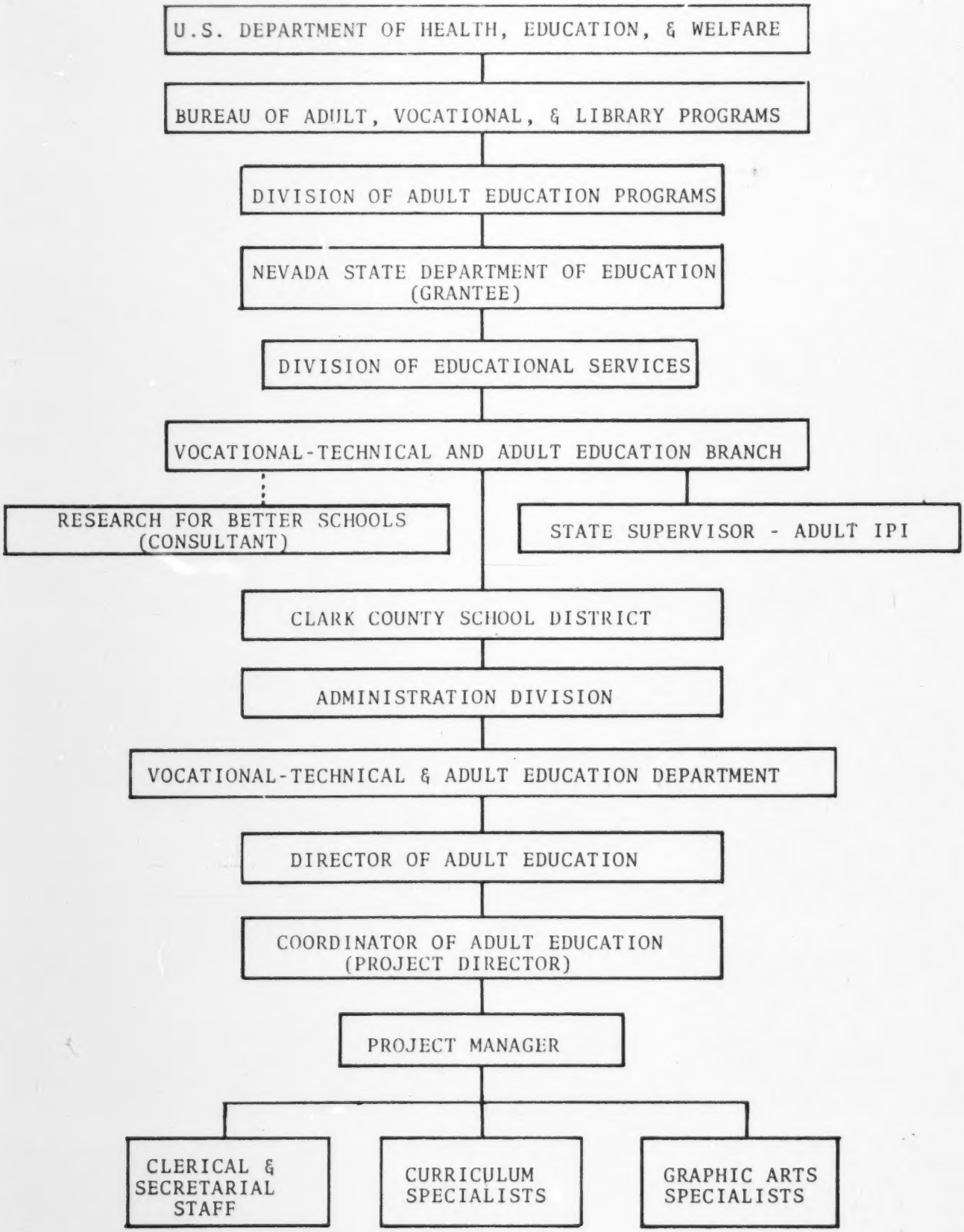
ADMINISTRATIVE ORGANIZATION Figure 3


U.S. DEPARTMENT OF HEALTH, EDUCATION, & WELFARE
BUREAU OF ADULT, VOCATIONAL, & LIBRARY PROGRAMS
DIVISION OF ADULT EDUCATION PROGRAMS
NEVADA STATE DEPARTMENT OF EDUCATION (GRANTEE)
DIVISION OF EDUCATIONAL SERVICES
VOCATIONAL-TECHNICAL AND ADULT EDUCATION BRANCH
RESEARCH FOR BETTER SCHOOLS (CONSULTANT)
STATE SUPERVISOR - ADULT IPI
CLARK COUNTY SCHOOL DISTRICT
ADMINISTRATION DIVISION
VOCATIONAL-TECHNICAL & ADULT EDUCATION DEPARTMENT
DIRECTOR OF ADULT EDUCATION
COORDINATOR OF ADULT EDUCATION (PROJECT DIRECTOR)
PROJECT MANAGER
CLERICAL & SECRETARIAL STAFF
CURRICULUM SPECIALISTS
GRAPHIC ARTS SPECIALISTS

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CURRICULUM MATERIALS DEVELOPMENT CYCLE

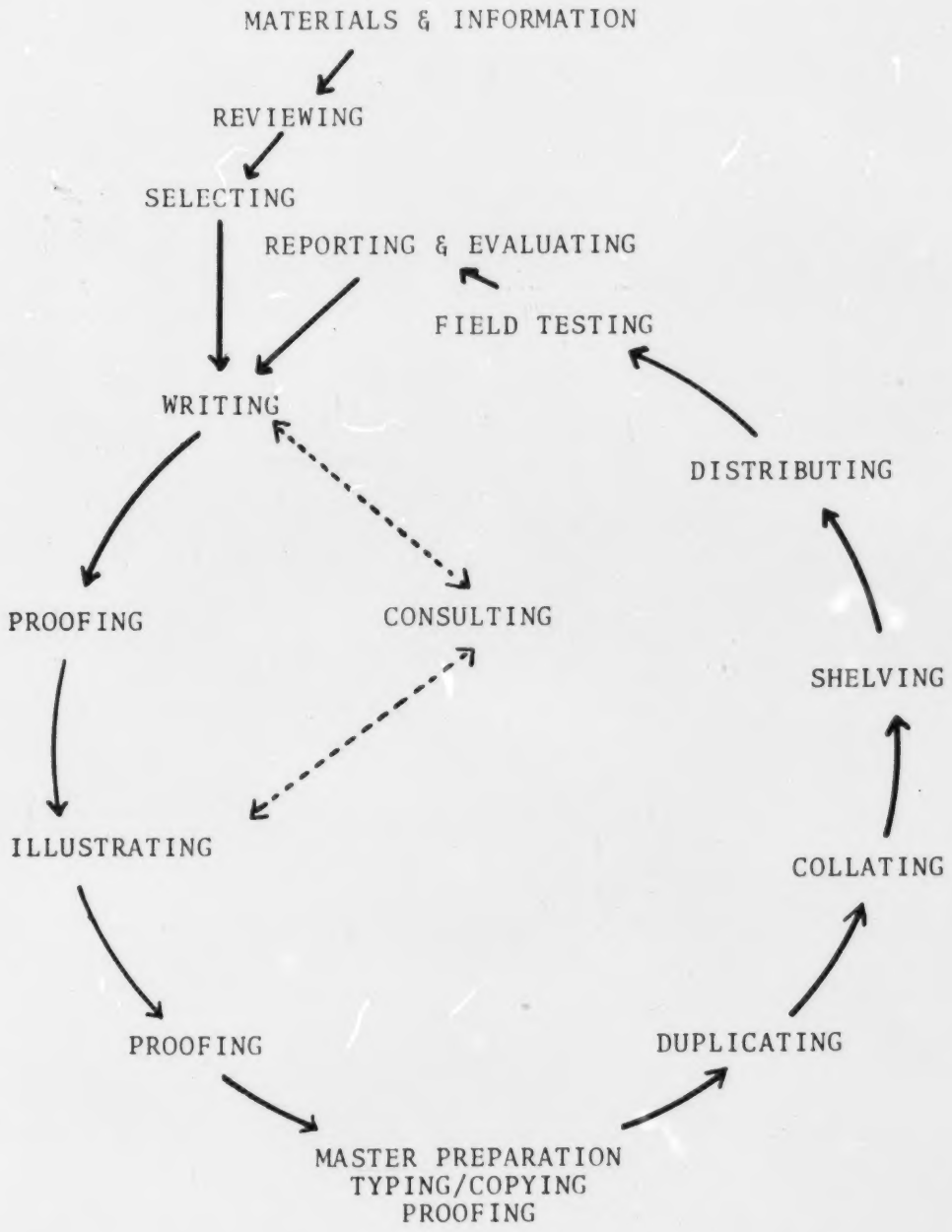

Figure 4

staff of four, two part-time student workers, and three part-time graphic art specialists. The functional relationship of the personnel positions are graphically represented in Figure 5. The operational phase is divided into two separate efforts. One area deals exclusively with the reading curriculum while the other concerns itself with the mathematics curriculum. The reading development initially included two full-time curriculum writers, five part-time teacher writers, and two additional consultants from the local university serving on a part-time basis. Near the end of the project two full-time writers and three part-time writers were engaged in the reading effort. Mathematics' personnel originally included two mathematics specialists and six part-time teacher writers. The terminal phase mathematics staff was reduced to two full-time writers and two part-time writers.

In an attempt to more clearly define the specific tasks as they relate to personnel and material development, the following description may be useful.

Project Director.

Responsible for the supervision of the project as it relates to the Clark County School District. He is responsible for all personnel participating in the project.

Project Manager.

Responsible to the project director for the development, rewriting, and assessment of the curriculum and the IPI system as it relates to adult education. Some of the specific tasks include - the organization for production, administers the affairs of the budget as it pertains to the

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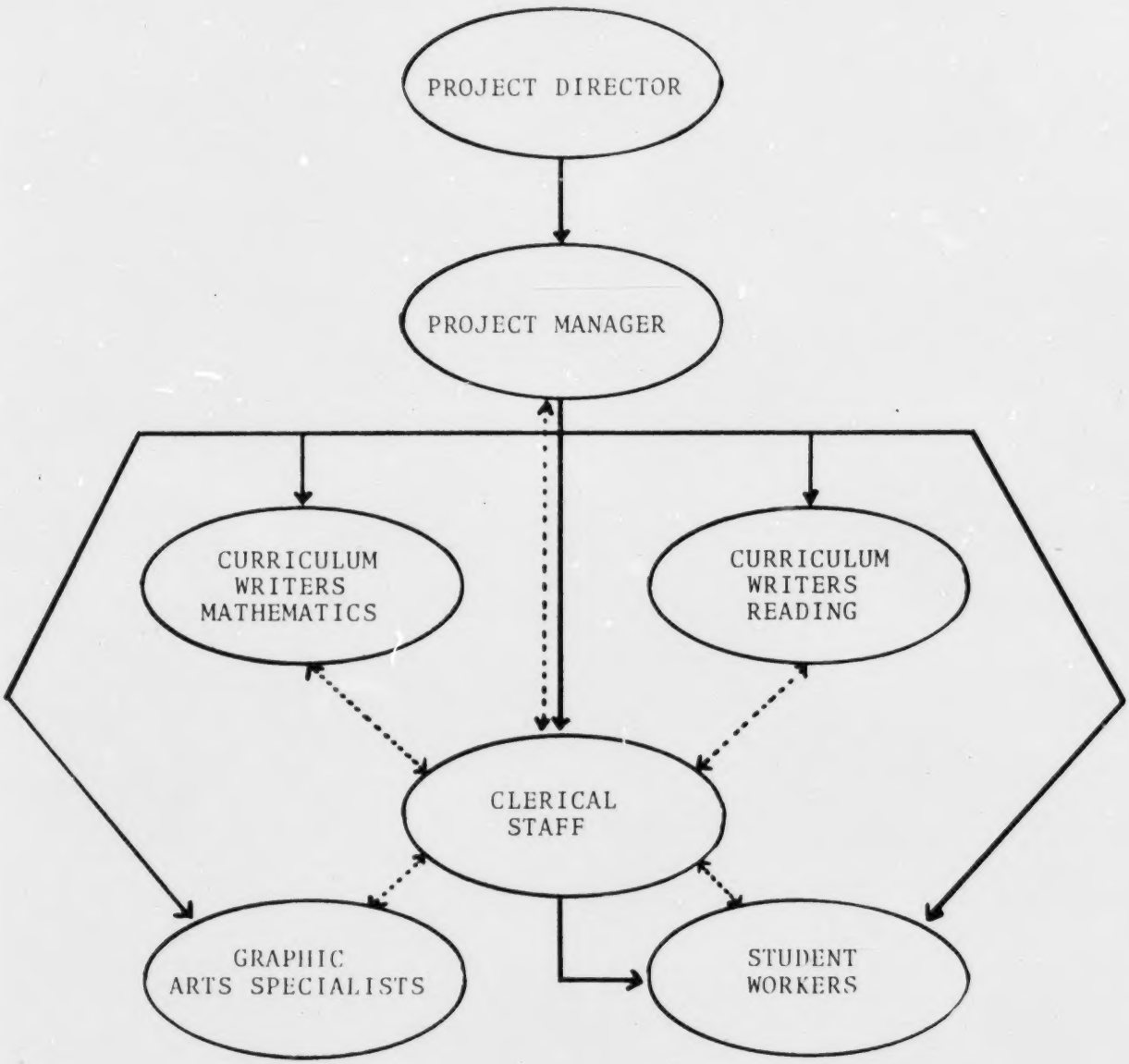
PROJECT STAFF POSITIONS



_____ Supervisory Flow

----- Materials Development Flow

Figure 5

research and development effort, supervises all personnel who are associated with the project, establishes time lines and production objectives, directs the overall operation of the project. Works closely with school district administration and state supervisors.

Curriculum Writers - full-time

Responsible for the rewriting assessment, development and redevelopment of the IPi curriculum, both reading and mathematics as it relates to adult basic education. Directs the part-time personnel in the reading development. They are responsible for the development of a primary reading program for adult basic education, and the overall development of the mathematics continuum.

Curriculum Writers - part-time

Responsible to the full-time writers and project manager for specific tasks as they are assigned to them.

Graphic Art Specialists.

The three persons functioning in this capacity are responsible to the project manager and the project manager's secretary for all of the graphic art development of the project.

Clerical Staff.

The clerical staff under the immediate direction of the supervising secretary are responsible for typing, reproduction processes, collating, stapling, shelving, coordinating, proofreading and such other related tasks that are assigned to them by the project manager.

Student Workers

The student workers are responsible primarily to the project manager; however, they perform tasks assigned to them by the supervising secretary.

R E S U L T S

OPERATIONAL RECORD.

The Individually Prescribed Instruction (IPI) Project to develop reading and mathematics curriculum for adults was undertaken in August, 1969, by the Adult Basic Education Department of Las Vegas, Nevada, in conjunction with Research for Better Schools, Incorporated of Philadelphia, Pennsylvania, the Nevada State Department of Education, and the Clark County School District of Nevada.

The operational record of the project includes several different terms. In an attempt to make the report more easily understood a definition of those terms is included.

1. Preproduction refers to those functions that were performed prior to the actual production of materials and includes mainly organizational procedures.

2. First-stage revision refers to rather limited material revision in which vocabulary and illustrations were given more adult appeal.

3. Second-stage revision includes full-scale changes in material content such as (a) stating objectives clearly on each worksheet, (b) moving the STS (Standard Teaching Sequence) sheets to the front of the mathematics' pamphlets, (c) emphasizing vocabulary relating

to all types of occupations, (d) identifying skill sheets as being either performance or concept oriented, (e) specifying worksheets that have specific instructions for the learner by a standard symbol illustration, (f) de-emphasizing the necessity of specific hardware to accomplish objectives and (g) emphasizing independent study by the learner to a greater extent.

4. On-going revision refers to material changes based on feedback from field testing and continued research. Further revision of this type will strive to make both the mathematics and the reading continuum vocationally oriented.

The original objective of the project was to bring about a first-stage revision of the reading and mathematics materials. This has been accomplished by using vocabulary from a wide selection of resource materials, e.g., trade school curriculum guides in cosmetology, culinary arts, automotive and airplane mechanics, electronics, refrigeration and air conditioning, business and publications issued by local, county, and state agencies on such topics as fire prevention, civil defense, vehicle driving, wildlife protection, conservation, health, police protection, recreational information and other pamphlets and publications relating to living experiences of adults.

Initially the IPI model did not include a primary portion in the reading continuum. Beginning in January, 1970, the reading specialists started to develop a primary reading program, and now that objective has been completely realized.

In order to gain a better understanding of adult education in terms of appropriate materials, instruction techniques, and learner response,

members of this project have visited and observed the following adult basic education programs in various locations throughout the United States. The Utah Technical College, Vocational Improvement Project, The Welfare Rehabilitation Center at Oqurrh School, and Adult Basic Education Center for Mexican Americans - all located in Salt Lake City, Utah. The Laubach Literacy Center in Rockville, Maryland; IPI Pilot Schools in Harrisburg and Quakerstown, Pennsylvania; Adult Basic Education Center in Upper Montclair, Camden, and Newark, New Jersey; Alexandria, Virginia; and New York; Wayne State University at Flint, Michigan; Community School Urban Adult Education Center at Lansing, Michigan; Laubach Literacy Center at Milwaukee, Wisconsin.

DESCRIPTION OF THE CURRICULUM PRODUCT.

Since an evaluation of the curriculum product is reported in a separate publication this section contains the product description.

The curriculum writing was primarily preparation of skill sheets. These skill pages included such things as information, concept development, and skill practice activities. Skill pages are developed and organized into sets or units that focus upon a stated skill objective. This skill page set is organized into a typical sequence to provide resource, develop understanding, and provide practice or application. A typical sequence model for a set of skill pages is reported in Figure 6. The skill set includes enough pages of material to provide flexibility in prescribing for variations in student requirements like his extent of practice, the amount of review, and the degree of concept development.

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TYPICAL SEQUENCE MODEL FOR A SET OF SKILL PAGES

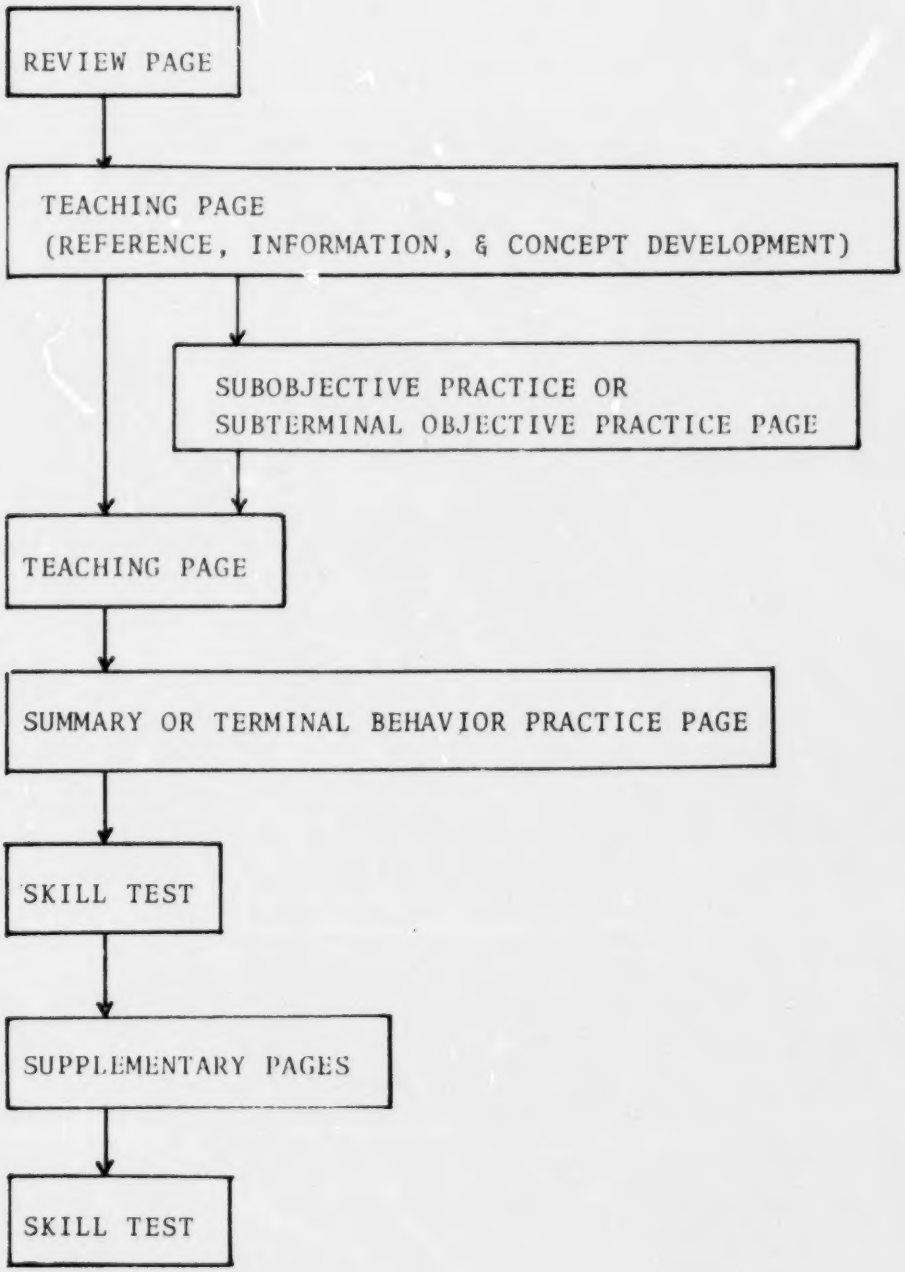


Figure 6

The review page provides a refresher for the previously presented prerequisite performance skills. Teaching pages develop student prerequisite performance skill for the instructional objective. A subterminal objective practice page develops a part of the instructional objective. The number of teacher pages depends upon the number of performance behaviors developed to insure that the terminal objective is achieved. A summary practice page provides an application of and/or practice for the composite behavior of the teaching pages. The first skill test follows the summary practice page. Supplementary pages provide additional resource like any or all the pages found between the review and the first skill test. These pages are prescribed when a student requires extended teaching and/or practice in one or more parts of the behavior development.

A second or alternate skill test is available for use when the first test has been used by the student and he had not shown skill mastery.

Mathematics

Some typical examples of the mathematics skill sheets may be seen in Appendix A. Appendix A-1 is a Standard Teaching Sequence (STS) sheet for Level E, Combination of Processes, Skill 3. This STS sheet provides the skill objective, identifies the context of each page in the skill sequence, and indicates whether the page developes a concept or provides a performance function. The developmental character of the skill may be determimed from the STS page. This particular skill has a large number of options making it particularly desirable for individualization.

Skill page 1 is shown in Appendix A-2. This is an example of a review page.

In Appendix A-3 is a teaching page that develops the concept of "n" as a variable from a typical box symbol. The application of this concept is developed on skill page 5 exhibited in Appendix A-4.

Another teaching page is displayed in Appendix A-5. The concept of how to solve an equation is developed there. Skill page 10 found in Appendix A-6 is the application page for the concept developed on the previous page. Note how the page begins with complete prompts for the learner and proceeds with a regressing number until a problem is presented without prompts.

Appendix A-7 and A-8 presents a summary practice type of page.

The skill test is presented in Appendix A-9. It will be noted that the test consists of two parts. The first part measures objective mastery for E Combination of Processes, Skill 2 and the second part is a brief pretest of the next skill (E Combination of Processes, Skill 3).

In referring to Appendix A-1 it may be noted that the STS lists skill pages 22 through 28 as supplementary sheets to be presented when learner requirements exist.

An example of an illustrated page may be found in Appendix A-10 This example is an A level Numeration skill matching the numeral with a pictured set of items.

The use of leisure time and recreation is depicted in the word problems presented in Appendix A-11. The skill page is from E level, Combination of Processes Unit Skill 7.

Two Skill 2 test pages from H level Combination of Processes are exhibited in Appendix A-12 and A-13 respectively. It will be noted that the items in the test are applications of examples from real life situations. In this case the application is insurance and taxes.

The concluding skill page example found in Appendix A-14 is Level D Money Skill 5. (Application of a combination of consumer practices and job orientation is shown.)

Reading

Skill page examples typical of the reading materials are displayed in Appendix B. Shown in Appendix B-1 is a Standard Teaching Sequence (STS) page for Level B Phonetic Analysis Skill 3. The Skill 3 objective is stated and the context of each page in the skill sequence is reported. Note that two review pages (1T and 2T) are reported. Also reported are teaching pages 4, 8, 12, and 16 that introduce long vowel phonograms with varying initial consonants. Skill pages 6, 10, 14, and 18 are application pages for the previously mentioned teaching pages. It will be noted that additional pages 3, 5, 7, 9, 11, 13, 15, 17, and 19 provide options for prescribing instruction to satisfy varying requirements of individual students. Page 20 is the skill test and page 21 the alternate skill test.

An example of an exercise in identifying words that students know from everyday life experiences is shown in Appendix B-2 and B-3. On

these pages sight word introduction and handwriting beginning with uppercase manuscript is presented through illustrations of signs.

In Appendix B-4 is displayed on A Level Phonetic Analysis Skill 3 page that illustrates the order for printing lower case manuscript alphabet. It shows the sequence of introduction for developing printing skills.

A sample page of recognition of lower case alphabet is found in Appendix B-5.

A Level A Phonetic Analysis Skill 4 page of initial consonant sounds, introduced through the use of picture names, is exhibited in Appendix B-6. Final consonant sounds, introduced through picture names, are presented in A level Phonetic Analysis Skill 5 and displayed in Appendix B-7.

Adult oriented illustration examples are displayed in Appendix B-8, B-9, and B-10. These are Phonetic Analysis skill pages from Level A.

The short and long vowel sound in the medial position are presented in A level Phonetic Analysis Skills pages 6 and 7 respectively and may be seen in Appendix B-11 and B-12 respectively.
In Appendix B-13, B-14, and B-15 are displayed an A Level Vocabulary Development Skill 1 introduction of basic sight words (Dolch List) and an accompanying script for a recording.

The A level Literal Comprehension Skill 1 page shown in Appendix B-16 introduces phrases. Appendix B-17 is an example of a skill from Interpretive Comprehension. Note the adult interest classification

exercise.

Appendix B-18 presents a story using limited vocabulary involving what, how, where, and who questions about the story contents.

From B Level Interpretive Comprehension Skill 2 are two examples of sequence of events skill sheets. One is illustrated and the other uses sentences. The examples are in Appendix B-19 and B-20 respectively.

CONCLUSIONS AND RECOMMENDATIONS

In this type of project, where the development and preparation of learning units is the mission, it is imperative that a system be operating to secure sought after objectives. The quality of the instructional unit components depend upon how well the system is followed.

Of major importance in the materials development was the student task analysis. Task analysis included such things as: (a) listing what a learner should be able to do as a result of a learning experience: (b) listing what he should be able to do before beginning the learning experience; (c) determine conditions under which the student does the listed things, and (d) state the means by which the accuracy and completeness of learner response can be measured.

Favorable conclusions are reached about the general learning features of the developed program materials. Characteristic features include: (a) active learner participation (continuous responding); (b) student response may be confirmed and reinforced as frequently as one skill page during independent student activity and as often as an individual

item during human encounter activity; (c) student self-pacing; (d) pre-structured and pre-prepared materials; (e) tailoring to fit individual learner needs, and (f) instruction scheduled to fit individual student availability.

Several recommendations to improve the humanizing aspect of the IPI System and program materials follow. Include a student self-evaluation instrument. This self-test for skill mastery would make a student more aware of his progress in skill development in a personally initiated manner. A self-test would encourage the less aggressive learner, a feature very important for the typical adult basic education student.

It would be desirable to provide options for in-depth and quest type learner activity. The in-depth option would provide for learner initiated desires to go beyond the basic unit. This would provide for the student that wants to know more but requires outside structuring for his learning activity. Quest option would provide student initiated study but through learner structured activity.

Staff experience during the project has resulted in the following recommendations:

Reading Suggestions:

1. Revise the vocabulary for the beginning units by using only words linguistically regular. Long vowels are to be introduced at more advanced levels.

2. Systematically continue use of the words introduced in preceding levels along with the new vocabulary for the level.

3. Expand the language arts approach by including more handwriting within each skill.

4. Introduce more adult oriented stories.

5. Introduce more meaningful sight words at the lower levels.

6. Develop several concise objectives to replace those that now have many performance behaviors incorporated in a single objective.

7. Produce an IPI keyed supplementary material resource system for use with adults.

Mathematics Suggestions:

1. Develop Special Topics more meaningful to adults. These will probably take a more vocational and family living approach.

2. Prepare a system for assisting the instructor in prescribing minimum essential mathematics skills for students with specific job objectives.

3. Supplement the produced skills with audio-visual materials like the single concept film loop for such units as fractions, decimals, problem solving, geometry and systems of measurement.

4. Include the present money and time areas into the Systems of Measurement area.

5. Combine the operation skill areas of (1) Addition and Subtraction and (2) Multiplication and Division.

6. Combine the areas of (1) Numeration and Place Value and (2) Combination of Processes and Special Topics as a Problem Solving and Application area.

7. Develop some criteria for readability in the various levels of mathematics skill directions, explanations, and word problems to assist the instructor in prescribing skill pages to students with low reading ability.

8. Include in suggestion 6 or develop an area on Problem Solving Procedures.

BEST COPY AVAILABLE

NAME _____

IPI MATHEMATICS

LEVEL E, COMBINATION OF PROCESSES (07) SKILL 3

OBJECTIVE: Solves equations which use a letter (e.g.,"n") as a variable, for all skills to this point.

STANDARD TEACHING SEQUENCE

Page		Supplementary Material
#1.	Fills in missing numerals in addition, subtraction, multiplication, and division equations.	
*#2.	Fills in missing numerals for addition, subtraction, multiplication, and division equations.	
#3.	Fills in missing numerals in more difficult equations.	
*4.	Tells what numeral "n" equals in division equation after introduction to the letter variable.	
#5.	Circles correct letter variable equation from multiple choice to match equation with blank.	
#6.	Circles equations to relate unknown with letters and blanks.	
*#7.	Finds sums or differences with a letter variable. Initial prompts.	
#8.	Finds sums or differences with a letter variable. No prompts.	22
*#9.	Finds unknowns after equations are explained. Addition and subtraction.	23
#10.	Solves equations for unknowns. Addition and subtraction.	
#11.	Solves equations for unknowns. Addition and subtraction.	
*#12.	Finds missing numeral(addend) in addition without intermediate step.	24
*#13.	Finds missing numeral(subtrahend) in subtraction without intermediate step.	
*#14.	Finds missing numeral(minuend) in subtraction equation without intermediate step.	25
*#15.	Finds unknown in multiplication with intermediate step after explanation.	26
#16.	Finds missing product or quotient with letter variable.	
*#17.	Finds missing divisor in division equation.	27
18.	Finds missing dividend in division equation.	28
#19.	Finds missing numerals in addition and subtraction equations.	
#20.	Finds missing numerals in multiplication and division equations.	
21.	CET I. CET II.	29

* Pages that lead to an understanding of a concept.
\# Pages that lead to the performance of the objective.

LEVEL E, COMBINATION OF PROCESSES (07) SKILL 3

BEST COPY AVAILABLE

Write in the missing numerals.

$2 \times \_\_1\_\_ = 2$

$36 + 47 = \_\_\_\_$

$\_\_\_\_ \div 9 = 7$

$12 + \_\_\_\_ = 72$

$989 - \_\_\_\_ = 788$

$13 \times 7 = \_\_\_\_$

$\_\_\_\_ - 99 = 1$

$8 \times 6 = \_\_\_\_$

$184 \div \_\_\_\_ = 23$

$30 - 10 = \_\_\_\_$

TOTAL POINTS	NUMBER CORRECT
10	

LV 4/70

LEVEL	UNIT	SKILL	PAGE
E	07	3	1

 BEST COPY AVAILABLE

Solve these problems.

$6 + 9 = \_\_\_\_$ $\qquad$ $\_\_\_\_ - 6 = 3$

$\_\_\_\_ + 9 = 18$ $\qquad$ $5 \times \_\_\_\_ = 10$

You have solved problems like this before. The ____ stands for the numeral you do not know. You use different methods of finding the answer, depending upon the problem. You add, subtract, multiply, or divide to find the missing numeral. Whatever you decide you must do to find the answer, you use the numerals that are given in the problem to help you find the numeral you don't know.

Write in the missing numerals.

$27 \div \_\_\_\_ = 9$ $\qquad$ $9 + \_\_\_\_ = 17$

$3 \times \_\_\_\_ = 12$ $\qquad$ $17 - \_\_\_\_ = 8$

TOTAL POINTS	NUMBER CORRECT
8	

LEVEL	UNIT	SKILL	PAGE
E	07	3	2

BEST COPY AVAILABLE

$12 \div ? = 3$

Instead of using a $\square$ or ? to stand for a numeral, you sometimes use a letter. Thus, instead of $12 \div \square = 3$, you would have $12 \div n = 3$.

You often use "n" to stand for the numeral you want to find, but any letter can be used. Whichever letter you use, it represents the missing numeral.

$12 \div n = 3$

What numeral does "n" stand for? ____

TOTAL POINTS	NUMBER CORRECT
1	

LEVEL	UNIT	SKILL	PAGE
E	07	3	4

 BEST COPY AVAILABLE

Write in the missing numerals.

806 − 259 = 547

____ + 265 = 384

606 ÷ 3 = ____

20 × ____ = 100

48 ÷ ____ = 8

____ − 20 = 40

35 + ____ = 65

9 × 5 = ____

____ ÷ 20 = 6

TOTAL POINTS	NUMBER CORRECT
9	

LV 4/70

LEVEL	UNIT	SKILL	PAGE
E	07	3	3

BEST COPY AVAILABLE

Encircle the correct equation.

$6 \times \_\_\_\_ = 18$ is the same as

$n \times 3 = 18$

(6 × n = 18)

$6 \times 3 = n$

$n \div 6 = 5$

$\_\_\_\_ \div 6 = 5$ is the same as $30 \div n = 5$

$30 \div 6 = n$

$n + 23 = 40$

$17 + 23 = \_\_\_\_$ is the same as $17 + 23 = n$

$17 + n = 40$

$n - 99 = 2$

$101 - \_\_\_\_ = 2$ is the same as $101 - 99 = n$

$101 - n = 2$

TOTAL POINTS	NUMBER CORRECT
4	

LV 4/70

APPENDIX A-4

LEVEL	UNIT	SKILL	PAGE
E	07	3	5

Encircle the correct equation.

$5 + n = 13$ is the same as

$\_\_\_\_ + 8 = 13$

$5 + 8 = \_\_\_\_$

$(5 + \_\_\_\_ = 13)$

$n - 30 = 70$ is the same as

$\_\_\_\_ - 30 = 70$

$100 - 30 = \_\_\_\_$

$100 - \_\_\_\_ = 70$

$12 \div 4 = n$ is the same as

$\_\_\_\_ \div 4 = 3$

$12 \div 4 = \_\_\_\_$

$12 \div \_\_\_\_ = 3$

$n \times 10 = 300$ is the same as

$\_\_\_\_ \times 10 = 300$

$30 \times 10 = \_\_\_\_$

$30 \times \_\_\_\_ = 300$

TOTAL POINTS	NUMBER CORRECT
4	

LV 4/70

LEVEL	UNIT	SKILL	PAGE
E	07	3	6

Study the following equations.

$n + 9 = 18$ This equation asks, "What numeral (n) added to 9 is equal to 18?

Do you know what you need to do to find "n"? Yes, you must subtract, because subtracting 9 is the inverse of adding 9. (Subtracting 9 "undoes" what adding 9 did.)

$n = 18 - 9$ This shows your work. Be sure to put in this step.

$n = 9$ This is how you write your answer, showing what the letter stands for.

n = 9 means that 9 is the numeral that you add to 9 to equal 18. 9 replaces "n" in the original equation.

Here is another equation.

$7 + x = 14$ ← You want to know what numeral "x" represents.

$x = 14 - 7$ ← Your work.

$x =$ ____ ← Your answer.

Check: $7 +$ ____ $= 14$

Now try these equations.

$27 + w = 41$
$w = 41 - 27$
$w =$ ____
Check: $27 +$ ____ $= 41$

$z - 9 = 5$
$z = 5 + 8$
$z =$ ____
Check: ____ $- 8 = 5$

TOTAL POINTS	NUMBER CORRECT
7	

Solve these equations to find the numerals represented by the letters.

Follow the same steps you have been using.

Check your answers.

$5 + x = 15$	$y + 9 = 17$
$x = 15 - 5$	$y =$ ____ $-$ ____
$x =$ 10	$y =$ ____
Check: $5 +$ 10 $= 15$	Check:

$m - 6 = 15$	$7 + q = 27$
$m =$	$q =$
$m =$ ____	$q =$
Check:	Check:

$n - 9 = 6$	$m - 8 = 12$
$n =$ ____	$m =$ ____
Check:	Check:

TOTAL POINTS	NUMBER CORRECT
17	

LV 4/70

LEVEL	UNIT	SKILL	PAGE
E	07	3	10

Solve these equations. Notice that the order in the equation is sometimes different. You still solve the equation in the same way.

$n - 23 = 14$

$n = 14 + 23$

$n = 37$

$63 = n - 36$

$n = 63 + 36$

$n =$ ____

$40 = 120 - n$

$n = 120 - 40$

$n =$ ____

$250 = m - 100$

$m =$

$m =$

$39 = n - 39$

$n =$

$n =$ ____

$125 = 231 - n$

$n = 231 - 125$

$n =$ ____

$171 = 237 - n$

$n =$

$n =$

$290 = n - 70$

$n =$

$n =$

TOTAL POINTS	NUMBER CORRECT
12	

LEVEL	UNIT	SKILL	PAGE
E	07	3	19

BEST COPY AVAILABLE

Solve these equations. The order is sometimes different, but you solve them the same way.

$12 \div 3 = n$

$n = 4$

$7 \times n = 63$

$n = 63 \div 7$

$n =$ ____

$48 = b \times 6$

$b =$

$b =$

$r = 4242 \div 6$

$r =$

$444 = n \div 2$

$n =$

$n =$ ____

$60 = 420 \div s$

$s =$

$s =$

TOTAL POINTS	NUMBER CORRECT
9	

LEVEL	UNIT	SKILL	PAGE
E	07	3	20

CET I

TL. PTS.	
4	100%
NO. OF PTS.	%
3	75
2	50
1	25

Find the value of "n" in each of these equations.

$6 + n = 18$

$n =$ ____

$36 = 6 \times m$

____ $= m$

$186 = 148 + m$

$m =$

$156 = 140 + n$

____ $= n$

Multiply or divide.

TL. PTS.	
6	100%
NO. OF PTS.	%
5	83
4	67
3	50
2	33
1	17

Write $<$, $=$, or $>$ in the circle to make the statement true.

60¢ - 20¢ ◯ 15¢ + 20¢

8 days + 3 days ◯ 3 days x 5 days

42¢ + 7¢ ◯ 30¢ + 12¢

Solve these equations. Find the sum or difference.

433 + 249 = x

x = 682

360 − 149 = m

m = 211

717 − 439 = n

n = ____

124 + 457 = a

a = ____

654 − 237 = y

y = ____

874 + 59 + 36 = k

k = ____

779 + 222 = w

w = ____

987 − 573 = d

d = ____

428 + 219 = n

n = ____

693 − 216 = r

r = ____

897 − 499 = s

s = ____

874 + 109 = p

p = ____

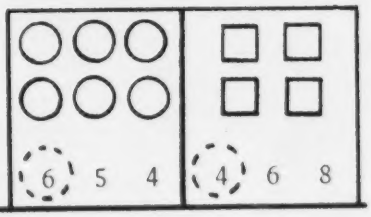
TOTAL POINTS	NUMBER CORRECT
12	

LV 4/70

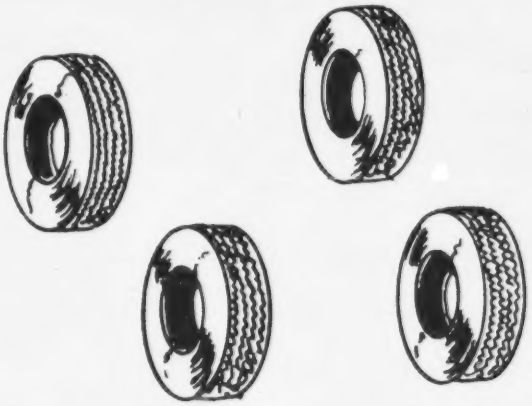
LEVEL	UNIT	SKILL	PAGE
E	07	3	22

Encircle the numeral.

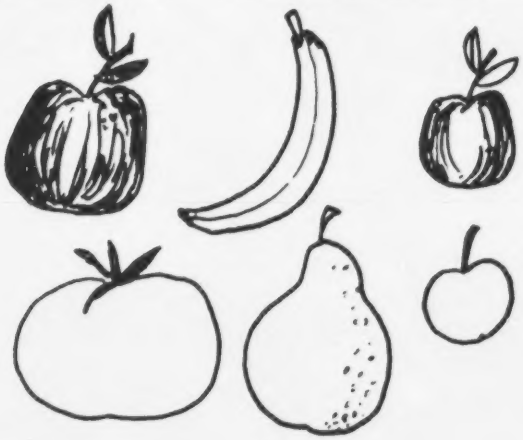
BEST COPY AVAILABLE



2 3 4



6 5 4



7 6 8

1 2 3

Solve these problems. Write the equations for each and find the missing variable (n).

Martha helped to plan a camping trip. Her family spent \$56 for a tent, \$15 for each of 4 sleeping bags, \$23 for a food pack, and \$14 for a cooking kit. How much did Martha's family spend for camping supplies?

Remember to read the problem carefully and decide which operations must be used. In this problem it will be multiplying and adding.

Next, set up an equation.

$56 + (4 \times 15) + 23 + 14 = n$

Perform the multiplication and then substitute the answer for (4×15).

The equation now looks like this. _____ = n Work Space

Next, perform the other operation. Add.

You now have n. n = 153

In Michigan, Neal caught 27 blue pike and 20 perch. His brother caught 13 blue pike and 40 perch. How many fish did they catch? How many more perch than blue pike were caught?

Work space

After reading the problem carefully, note that you must not only know how many fish they caught altogether (addition), but also how many more perch (20 + 40) were caught than blue pike [−(27 + 13)].

_____ = ____

_____ = ____

They caught ____ fish altogether.

They caught ____ more perch than blue pike.

TOTAL POINTS	NUMBER CORRECT
7	

LEVEL	UNIT	SKILL	PAGE
E	07	7	12

Solve these problems for the variable (n).

Write an equation for each and fill in the answer blank with the value of "n."

Jack weighs 80 pounds. He weighed 59 pounds last year. How many pounds did he gain?

Remember to read the problem carefully and decide which operation you must perform to solve the problem. For this problem you will be using subtraction.

Set up the equation.

Work space

$80 - 59 = n$

$n = 21$

Jack gained ____ pounds.

Nancy and Carole each weigh 70 pounds. Mary weighs 65 pounds. How much do all the girls weigh?

Work space

$70 + \_\_\_\_ + \_\_\_\_ = n$

$n = \_\_\_\_$

The girls weigh ____ pounds altogether.

Howard paid 90¢ for 2 pounds of candy. How much does one pound of candy cost?

Work space

$\_\_\_\_ \div \_\_\_\_ = n$

$n = \_\_\_\_$

One pound of candy costs ____¢.

TOTAL POINTS	NUMBER CORRECT
3	

LEVEL	UNIT	SKILL	PAGE
E	07	7	11

TL. PTS.	
8	100%
NO. OF PTS.	%
7	88
6	75
5	63
4	50
3	38
2	25
1	13

CET I

Annual Premium For a $1,000 Policy				
Age nearest birthday	10-year term	Straight life	20-payment life	20-year Endowment
20	$ 7.00	$ 16.40	$ 29.80	$ 47.55
25	7.75	18.75	32.60	48.20
30	8.85	21.70	35.75	49.00
35	10.55	25.40	39.50	50.40
40	13.20	30.00	43.85	52.40
45	17.00	36.00	49.00	55.45

Using the above Premium Table, find the annual premium for each of the following insurance policies.

	Face value	Age	Kind of policy	Annual premium
1.	$ 7,500	25	Straight life	_____
2.	$16,000	40	10-year term	_____
3.	$ 4,000	30	20-year endowment	_____
4.	$ 3,600	35	20-payment life	_____

5. Mr. Little bought a 20-year endowment policy for $5,000 when he was 20 years old. How much will he have to pay during the 20 years of his premiums? _____

6. Mr. Big bought a $15,000 straight life policy when he was 25 years old. How much will his premiums be by the time he is 55 years old? _____

CET I Continued

7. _____ life insurance pays you the face value of the policy at the end of 20 years.

8. _____ life insurance has no cash value.

II.

1. A county assessor reports the valuation of the county is $200,000,000. The service organizations estimate their expenses for the coming year will be 5,000,000. What will the tax rate be in mills per dollar? _____

   In dollars per $100? _____

   In % assessed value? _____

2. What will the tax bill be on a house assessed at $25,000? _____.

TL. PTS.	
4	100%
NO. OF PTS.	%
3	75
2	50
1	25

Level	Unit	Skill	Page
II	07	2	7

Fill in the blanks below.

If you sold a dozen eggs to Richard for 69¢, and he gave you 75¢ to pay for the eggs, you would have to give him change.

When you count out the coins you say, "69¢, "_____", (as you give him a penny) "_____", (as you give him a nickel.)

You have reached ____¢ and do not owe Richard any more money.

If you sold a book to Emily for 77¢, and she gave you $1.00 to pay for it, you would have to give her change.

When you count out the coins you will say "77¢", _____, _____, _____, _____, _____."

You have reached _____ and do not owe Emily any more money.

What coins have you given Emily.

3 _____ and _____ dimes

TOTAL POINTS	NUMBER CORRECT
11	

LEVEL	UNIT	SKILL	PAGE
D	09	5	7

Teachers Guide to Objective B-PA-3

OBJECTIVE:	Identify and write words by substitution of initial consonants to phonograms with long vowels and final e.

STANDARD TEACHING SEQUENCE

Page		Additional pages
1T		
2T	Review of similiar words with short and long vowels.	3
4	Identify and write words by substitution of initial consonants to phonograms ame, ate, ake, age, ave, ale.	5
6	Identify and write words in sentences	7
8	Identify and write words by substitution of initial consonants to phonograms, ice, ide, ile, ine, ive, ole.	9
10	Identify and write words in sentences	11
12	Identify and write words in substitution to phonograms ace, ape, ase, ife, ime, ipe.	13
14	Identify and write words in sentences	15
16	Identify and write words by substitution of initial consonants to phonograms ote, ope, ose, ode, ube, ule, une, ome, ize, obe.	17
18	Identify and write words in sentences	19
20	CET	
21	Alt. CET	

Materials not included in this folder:
B-PA3- 1T

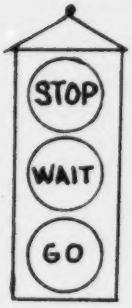
My name is _____

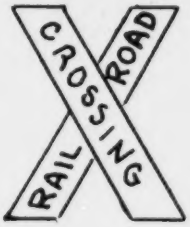
- -

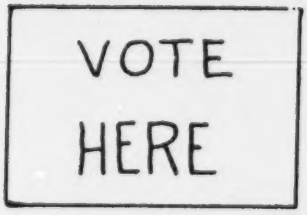
_____ Date _____

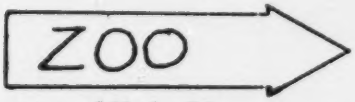
OBJECTIVE: Introduction to words that are commonly used in signs.

Note for the instructor: Ask the student to identify the following signs. All letters of the alphabet are used in these signs.



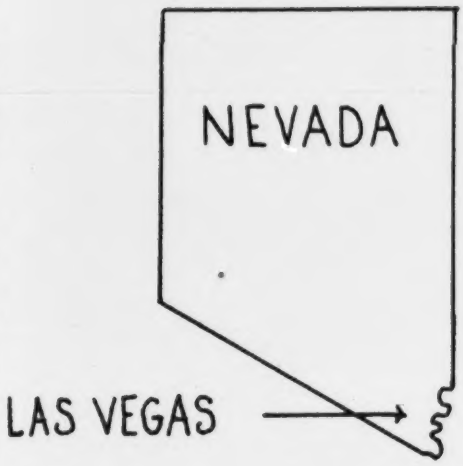






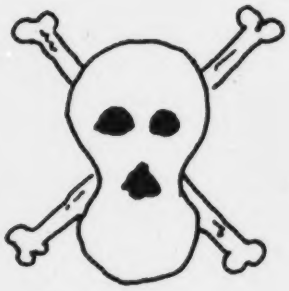
Continued from page 16

CAR WASH



<ADULT EDUCATION>

NORTH
EAST
WEST
SOUTH



POISON

BANK

GAS

MEN AT WORK

WOMEN

MEN

My name is _____ ☐☐

- -

_____ Date _____

OBJECTIVE: Identify and write the lower case manuscript alphabet.

*a b c d e f g h i j k l m

*n o p q r s t u v w x y z

1. Write the letters that have just straight lines.

___ ___ ___ ___ ___ ___ ___

2. Write the letters that have slanting lines.

___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

3. Write the letters that have straight lines and curves.

___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___

___ ___ ___ ___ ___ ___ ___

4. Write the letters that have only curves.

___ ___ ___ ___ ___ ___ ___

5. Copy all the small letters here.

_____

_____

_____

My name is _____ 50

- -

_____ Date _____

OBJECTIVE: Identify lower case manuscript letters.

Note to the instructor: Have student circle the letters that are alike. See sample.

a	b	(a)	d	(a)	n	m	n	m	n
b	c	b	d	b	o	a	o	o	c
c	a	b	c	c	p	q	p	q	p
d	d	b	b	d	q	p	q	p	q
e	e	e	f	f	r	b	r	s	r
f	e	e	f	f	s	r	t	s	s
g	f	g	e	g	t	t	s	t	r
h	h	a	h	h	u	v	u	y	u
i	j	i	h	i	v	w	v	v	u
j	i	j	j	i	w	x	w	w	v
k	i	k	h	k	x	y	x	x	y
l	i	l	l	j	y	j	y	p	y
m	n	m	o	m	z	y	z	s	z

BEST COPY AVAILABLE

My name is _____

12

Date _____

OBJECTIVE: Identify initial consonant sounds of R, S, T, and V (r, s, t, and v).

Directions: Circle the letter that gives the beginning sound in the name of each picture. The letters are both upper and lower case.

1. R S T V

2. r s t v

3. R S T V

4. r s t v

5. R S T V

6. r s t v $\begin{array}{r} 2 \\ +\,2 \\ \hline 4 \end{array}$

7. R S T V

8. r s t v

9. R S T V 6

10. r s t v

11. R S T V

12. r s t v

LV-1 70

A-PA-4 14T

BEST COPY AVAILABLE

12

My name is _____

- -

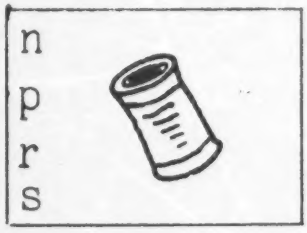
_____ Date _____

OBJECTIVE: Identify final consonant sounds of N, P, R, and S in picture words.

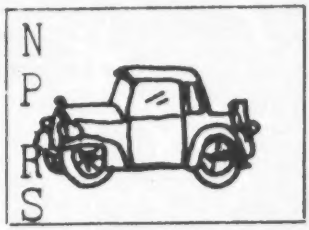
Directions: Circle the consonant letter you hear as the final sound in each of these picture words.

1.

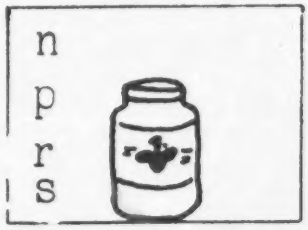
2.



3.



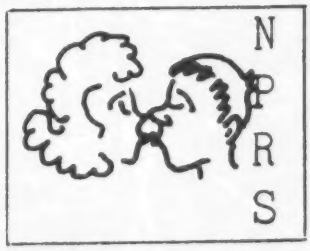
4.



5.

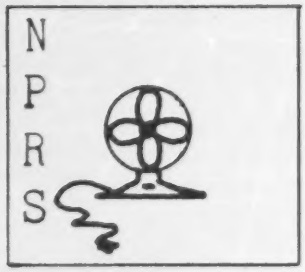
6.

7.



8.

9.



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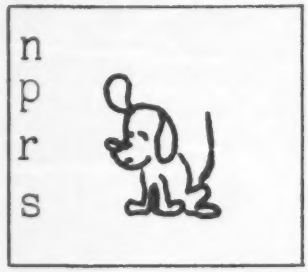

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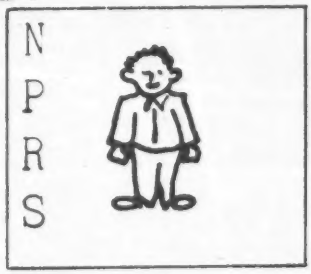

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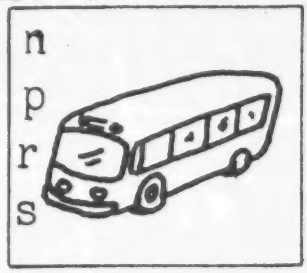

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My name is _____

_____ Date _____

OBJECTIVE: Identify initial consonant sounds of B, C, D, and F.

Directions: Look at the picture below. Many of the things pictured have names that start with the beginning consonant sounds of B, C, D, or F. See how many of these objects you can find and label them.

BEST COPY AVAILABLE

My name is _____ _____

_ _ _ _

BEST COPY AVAILABLE

My name is _____

_____ Date _____

OBJECTIVE: Identify initial consonant sounds of R, S, T, and V.

Directions: The picture has many objects whose names begin with the sounds of beginning letters r, s, t, and v. Label each picture with the correct letter. You may use upper or lower case letters.

BEST COPY AVAILABLE

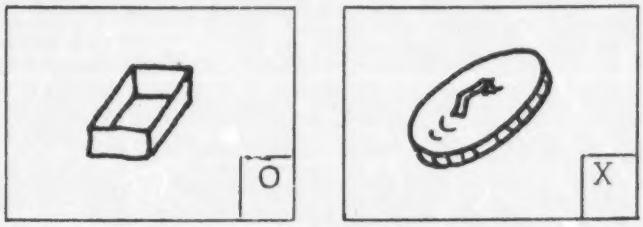
My name is _____ 9

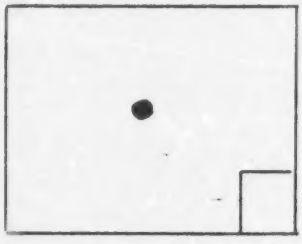
- -

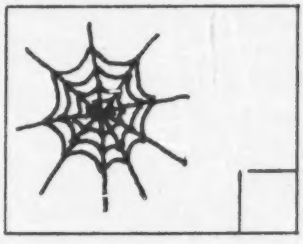
_____ Date _____

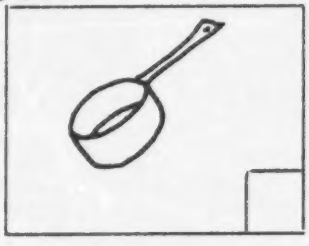
OBJECTIVE: Identify and write the short vowel sound of the letter o in the middle position of picture words.

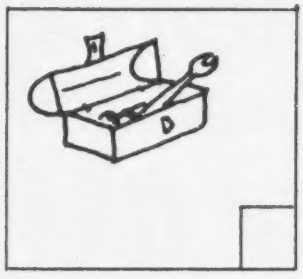
Directions: Write an [o] in the corner box if the picture name has the short [o] vowel sound. Put an [X] in the box if the word does not have the short [o] vowel sound. The first two pictures are done for you.

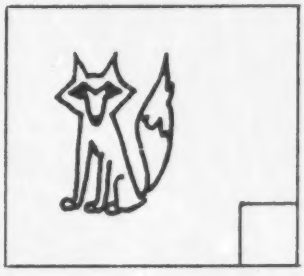


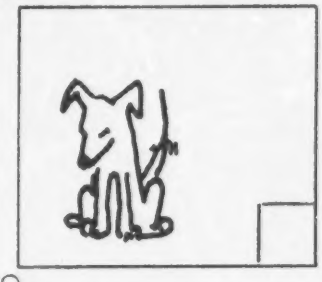
1. 

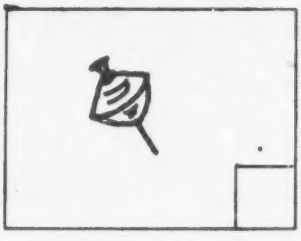
2. 

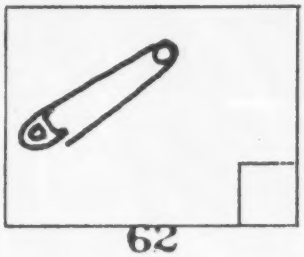
3. 

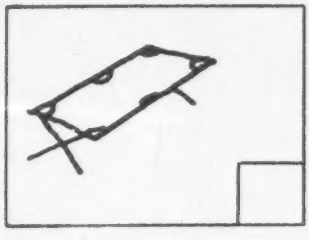
4. 

5. 

6. 

7. 

8. 

9. 

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14

My name is _____

- - - - - - - - - - - - - - - - - - -

_____ Date _____

OBJECTIVE: Identify and write the vowel letters and their long sounds in words.

Directions: Follow directions on A-PA-7 2T

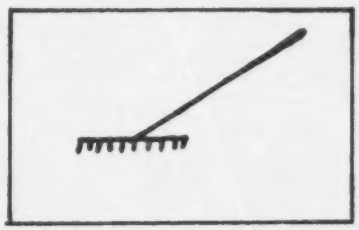
1. băg beg big bog buy

2. mād̆e ɾete bite note cute

3.

c _ ke

4.



R _ K̆E

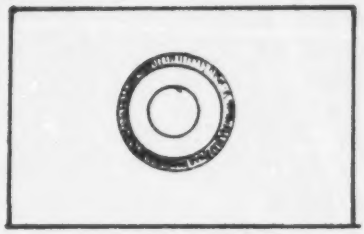
5.

c _ ge

6.

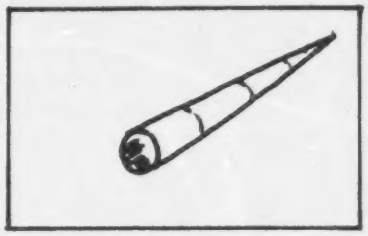
f _ ve

7.



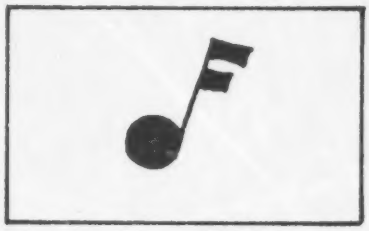
T _ RE

8.



p _ pe

9.

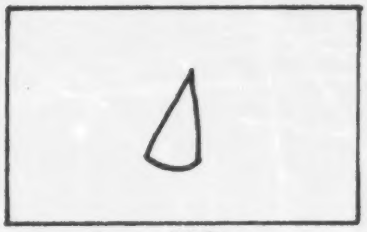


N _ TE

10.

r _ se

11.

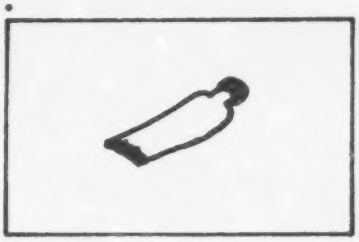


C _ NE

12.

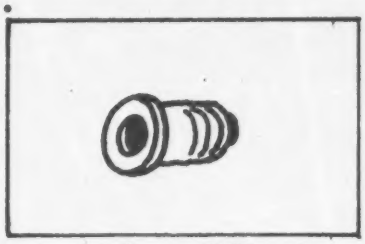
M _ LE

13.



t _ be

14.



F _ SE

My name is _____

- -

_____ Date _____

OBJECTIVE: Identify basic sight words from dictation.

Directions: Get tape A-VD-1 [17T]-[18T] and follow directions.

1.		2.		3.	
hop	___	let	___	pile	___
hug	___	look	___	pop	___
I	___	made	___	quack	___
is	___	met	___	ran	___
kiss	___	pack	___	rip	___
led	___	pet	___	rob	___

4.		5.		6.	
rode	___	sit	___	wait	___
rot	___	sob	___	wanted	___
rub	___	sock	___	wash	___
said	___	tame	___	wed	___
see	___	tug	___	will	___
set	___	vote	___	win	___

7.		8.		9.	
wink	___	I	___	you	___
work	___	mine	___	as	___
zip	___	my	___	at	___
he	___	she	___	for	___
it	___	us	___	in	___
me	___	we	___	of	___

continued

My name is _____

- -

_____ Date _____

Continued from page 17T

10.

on	__
to	__
under	__
up	__
and	__
but	__

11.

as	__
away	__
down	__
east	__
here	__
no	__

12.

north	__
not	__
south	__
well	__
west	__
where	__
rude	__

13.

yes	__
an	__
all	__
black	__
cute	__
dim	__
tame	__

fat	__
four	__
funny	__
good	__
hot	__
little	__
ten	__

live	__
mole	__
nice	__
new	__
odd	__
quiet	__
three	__

Script for A-VD-1 [17T / 18T] page 1

Narrator: Stress all underlined words. Read answer numerals slowly.

On these skill sheets, 16T & 17T, there are 15 more boxes of basic sight words that are very important for you to learn. The directions are the same, as the words are pronounced you will write a numeral on each space. Some of the boxes have seven words. Ready (pause)

Box 1 - write 1 by I (pause), 2 by kiss (pause), 3 by is (pause), 4 by led (pause), 5 by hop (pause), and 6 by hug (pause). Your numerals should read in order from the top - 5, 6, 1, 3, 2, and 4. (4 second pause)

Box 2 - Write 1 by met (pause), 2 by let (pause), 3 by made (pause), 4 by pet (pause), 5 by look (pause), and 6 by pack (pause).

Box 3 - Write 1 by rob (pause), 2 by pop (pause), 3 by ran (pause), 4 by quack (pause), 5 by rip (pause), and 6 by pile (pause).

Box 4 - Write 1 by rub (pause), 2 by rode (pause), 3 by set (pause), 4 by said (pause), 5 by rot (pause), and 6 by see (pause).

Box 5 - Write 1 by sob (pause), 2 by tame (pause), 3 by tug (pause), 4 by sock (pause), 5 by vote (pause), 6 by sit (pause).

Box 6 - Write 1 by wed (pause), 2 by wash (pause), 3 by win (pause), 4 by wanted (pause), 5 by wait (pause), 6 by will (pause).

Box 7 - Write 1 by work (pause), 2 by he (pause), 3 by wink (pause), 4 by me (pause), 5 by it (pause), and 6 by zip (pause).

Box 8 Write 1 by she (pause), 2 by mine (pause), 3 by we (pause), 4 by I (pause), 5 by my (pause), 6 by us (pause).

Box 9 - Write 1 by for (pause), 2 by you (pause), 3 by in (pause), 4 by as (pause), 5 by of (pause), 6 by at (pause).

8

My name is _____

- -

_____ Date _____

OBJECTIVE: Identify phrases describing picture clues.

Directions: Underline the phrase to match each picture.

on the box in the box under the box	in the jar under the jar on the jar
under the hut in the hut on the hut	under the cage on the cage in the cage
down the water up the water under the water	under my hand in my hand up my hand
under the sink on the sink in the sink	up the map in the map on the map

My name is _____ 24

_____ Date _____

OBJECTIVE: Classify sight words.

Directions: List words from the word box under the correct heading.

Word Box

cab	ax	ride	six	bag	car
pick	fuse	jack	sack	rod	take
hub	nine	bus	saw	tire	jug
box	ten	five	made	kiss	van

TOOLS

_____
_____
_____
_____

TRANSPORTATION

_____
_____
_____
_____

CAR PARTS

_____
_____
_____
_____

ACTION WORDS

_____
_____
_____
_____

NUMERALS

_____
_____
_____
_____

CONTAINERS

_____
_____
_____
_____

Name _____ Date _____

OBJECTIVE: Identify and write answers to recall questions.

Directions: Read the short story and questions. Underline the answers found in the story and write them in cursive on the spaces provided.

MY CAR

I have a blue car.
It runs well on four good tires.
I fix the car in my yard.
I wash the car and it looks good.

1. What do I have? _____
2. How will the car run? _____
3. Where do I fix the car? _____
4. Who will wash the car? _____

Name_____ Date_____

OBJECTIVE: Number pictures of an event in sequencial order.

Directions: Number the following pictures in the order they might happen.

[12]

Name_____ Date_____

OBJECTIVE: Number sentences in sequencial order.

Directions: Number the following sentences in the order that they happen. The first one is done for you.

1. _4_ The men will mop the deck.
   _2_ It has four blue and white sails.
   _1_ That pretty ship will sail on the lake.
   _3_ They want it neat and clean.

2. ____ "Open it now."
   ____ "Thank you."
   ____ "It is so pretty," said Jane.
   ____ "This gift is for you, Jane," said Tom.

3. ____ A man is up on the pole.
   ____ Look at that big ship.
   ____ He is waving a flag.
   ____ I hope he won't fall.

4. ____ She is a good worker.
   ____ She likes her work.
   ____ She sells hot dogs and cakes.
   ____ Jane is a carhop.